

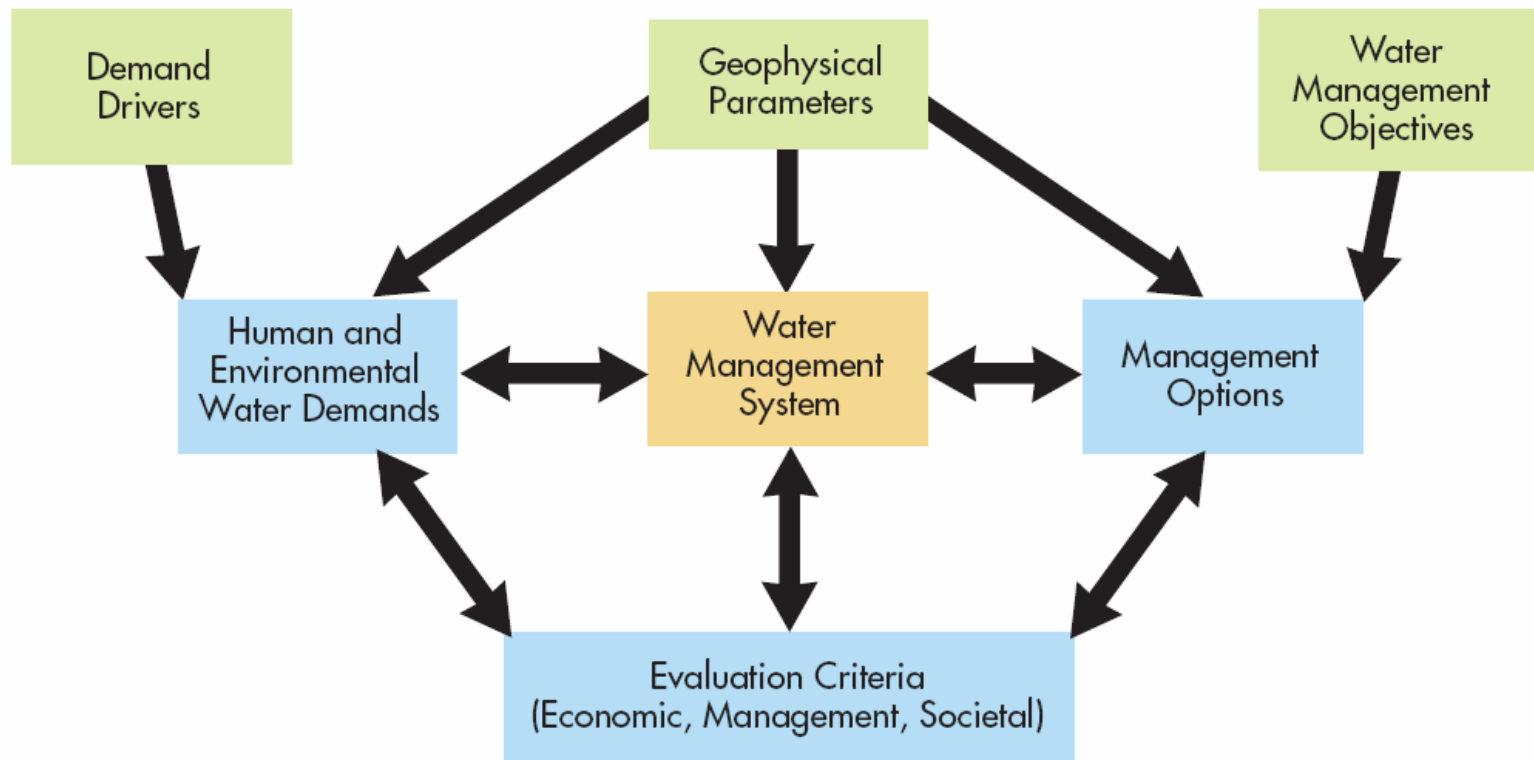
# Motivation for Enhancing the CWP Update 2005 Scenarios Approach

David R. Purkey, Ph.D.

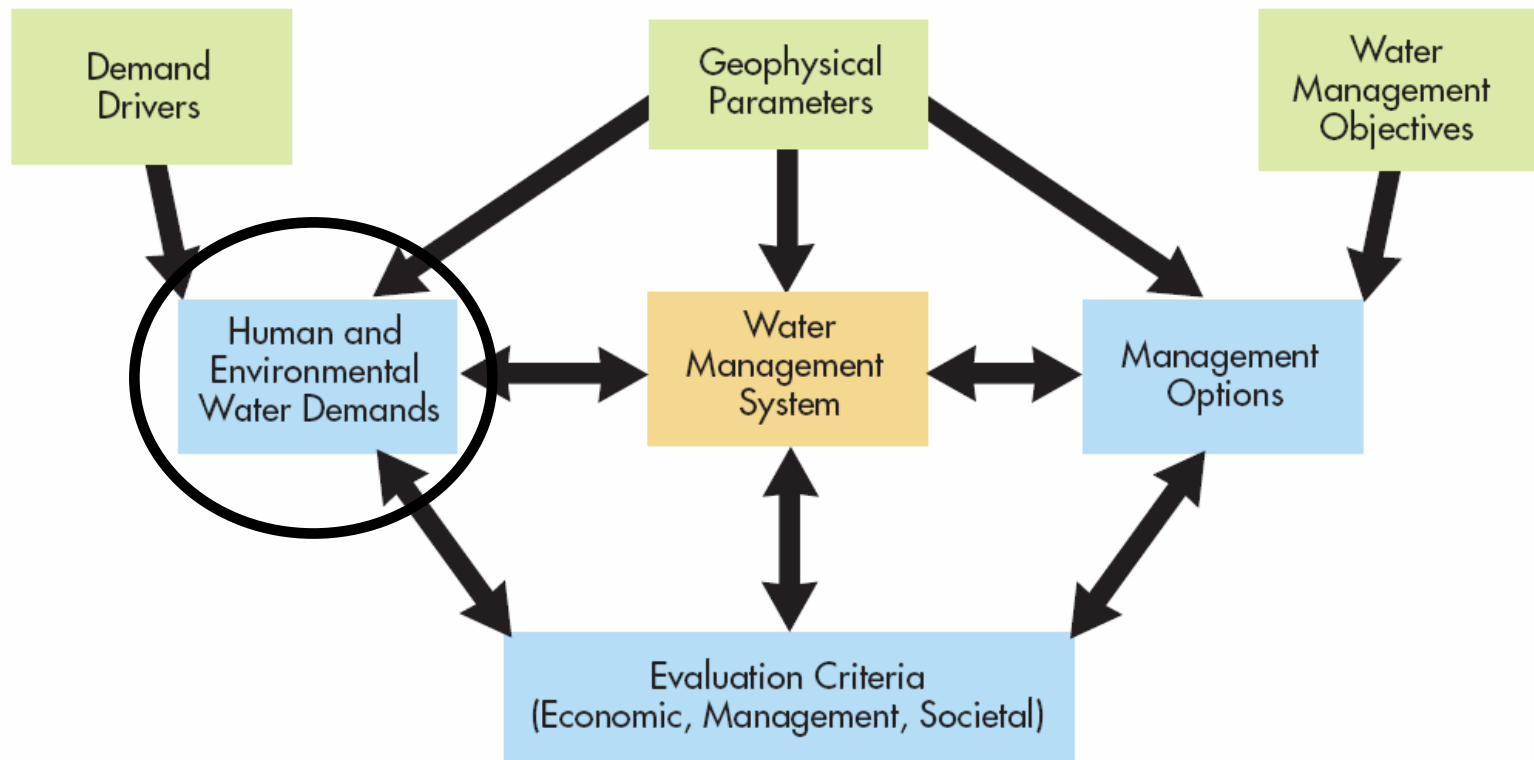
Director, Water Resources Group

Stockholm Environment Institute-US Center

# 2005 CWP Update Scenario Framework

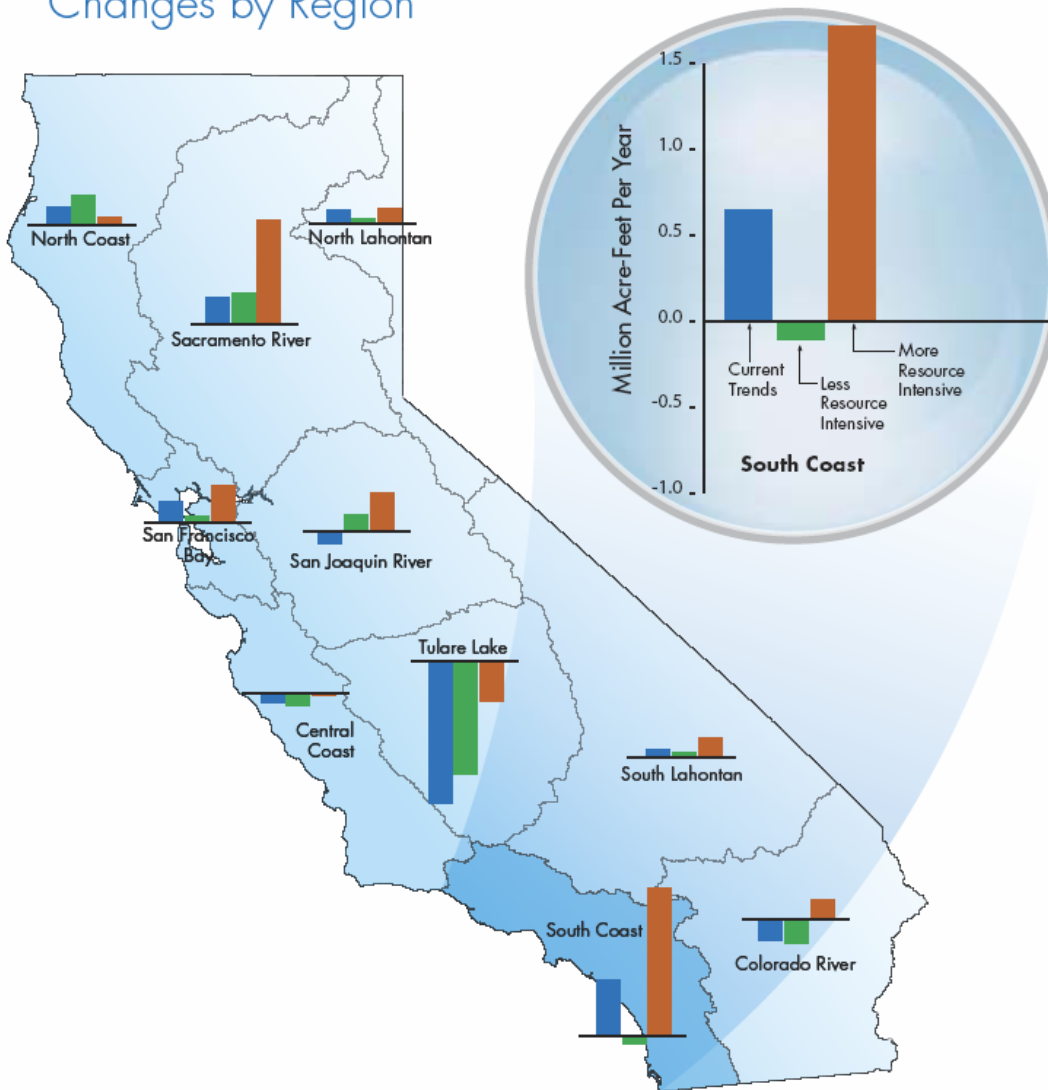


# 2005 CWP Update Scenario Framework

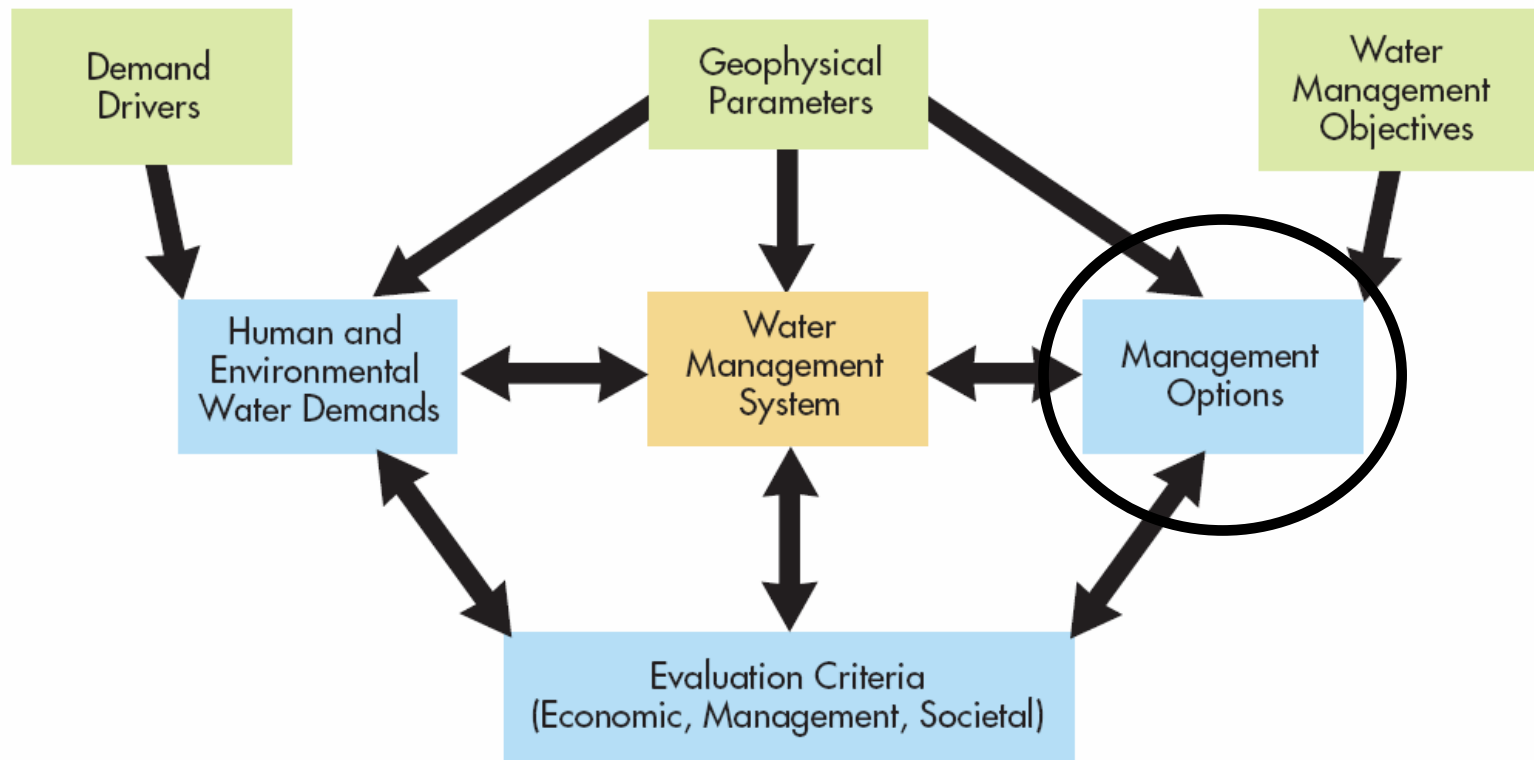


# Baseline Scenarios by Region

Changes by Region



# 2005 CWP Update Scenario Framework



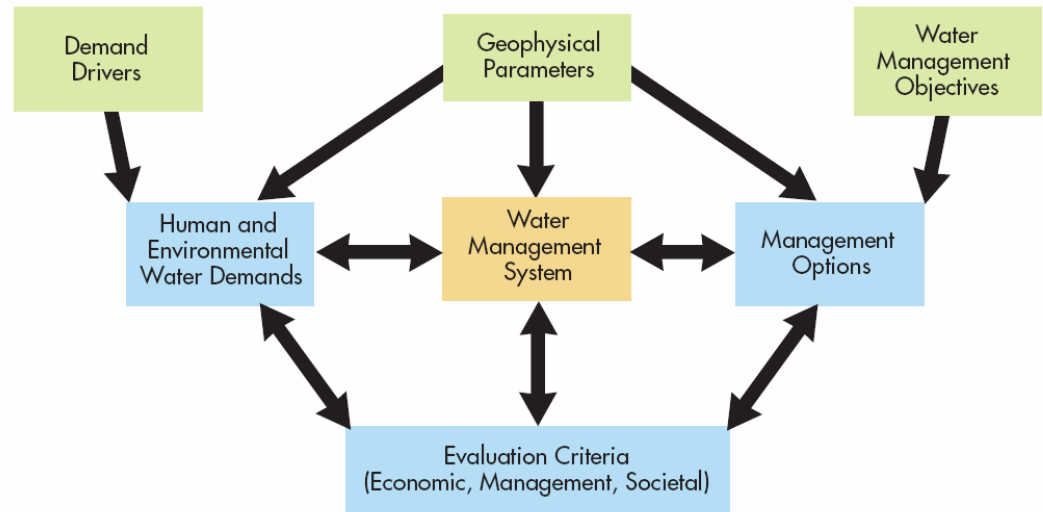
# Components of Response Packages

Agricultural lands stewardship  
Agricultural water use efficiency  
Conjunctive management and groundwater storage  
Conveyance  
Desalination  
Drinking water treatment and distribution  
Economic incentives (Loans, Grants, and Water Pricing)  
Ecosystem restoration  
Floodplain management  
Groundwater remediation/Aquifer remediation  
Matching water quality to water use  
Pollution prevention

Precipitation enhancement  
Recharge areas protection  
Recycled municipal water  
Surface storage-CALFED  
Surface storage-regional/local  
System reoperation  
Urban land use management  
Urban runoff management  
Urban water use efficiency  
Water-dependent recreation  
Watershed management  
Water transfers

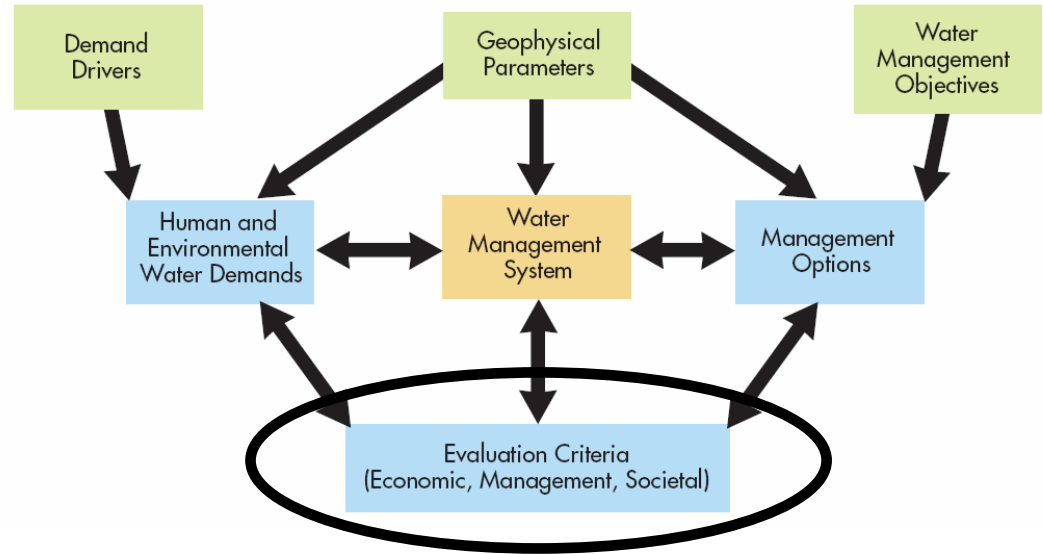
Other resource management strategies (includes crop idling for water transfers, dewvaporation, fog collection, irrigated land retirement, rainfed agriculture and water bag transport/storage technology)

# Observations



- A higher level of integration needs to be achieved.
- Climate change suggests that some of the underlying geophysical parameters used for water planning need to be reconsidered.
- An appropriate representation of the water management system must be defined.
- The link between scenarios and decision making needs to be strengthened

# CWP Update Support for Decision Making



- Can the CWP Update be at the core of decision making?
- What decision can it inform?
- What scenario infrastructure would one need to support these decisions?